Product Name: PP2A-B56-δ Rabbit Polyclonal Antibody
Catalog #: APRab16395

Summary

Production Name	PP2A-B56-δ Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PPP2R5D
Alternative Names	PPP2R5D; Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform; PP2A B subunit isoform B'-delta; PP2A B subunit isoform B56-delta; PP2A B subunit isoform PR61-delta; PP2A B subunit isoform R5-delta
Gene ID	5528.0
SwissProt ID	Q14738.The antiserum was produced against synthesized peptide derived from human PPP2R5D. AA range:544-593

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000..
Molecular Weight	70kD

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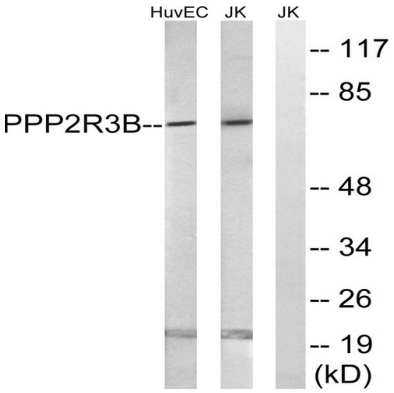
Background

The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a delta isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],function:The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.,induction:By retinoic acid; in neuroblastoma cell lines.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the phosphatase 2A regulatory subunit B56 family.,subcellular location:Nuclear in interphase, nuclear during mitosis.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B''/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins, and cell signaling molecules. Interacts with SGOL1.,tissue specificity:Isoform Delta-2 is widely expressed. Isoform Delta-1 is highly expressed in brain.,

Research Area

Oocyte meiosis;WNT;WNT-T CELL

Image Data



Western blot analysis of lysates from Jurkat and HUVEC cells, using PPP2R5D Antibody. The lane on the right is blocked with the synthesized peptide.

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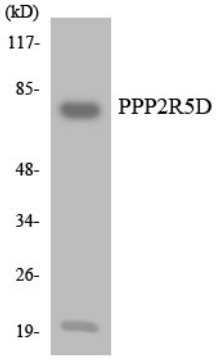
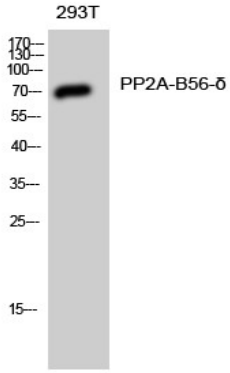


Western blot analysis of the lysates from HUVECcells using PPP2R5D antibody.



Western Blot analysis of 293T cells using PP2A-B56-δ Polyclonal Antibody diluted at 1：1000

Note

For research use only.